



## Gulf of Mexico Harmful Algal Bloom Bulletin

16 February 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: February 13, 2006

### Conditions Report

Very low levels of harmful algae have been reported in Pinellas County. No impacts are expected in any southern Florida county through Sunday.

### Analysis

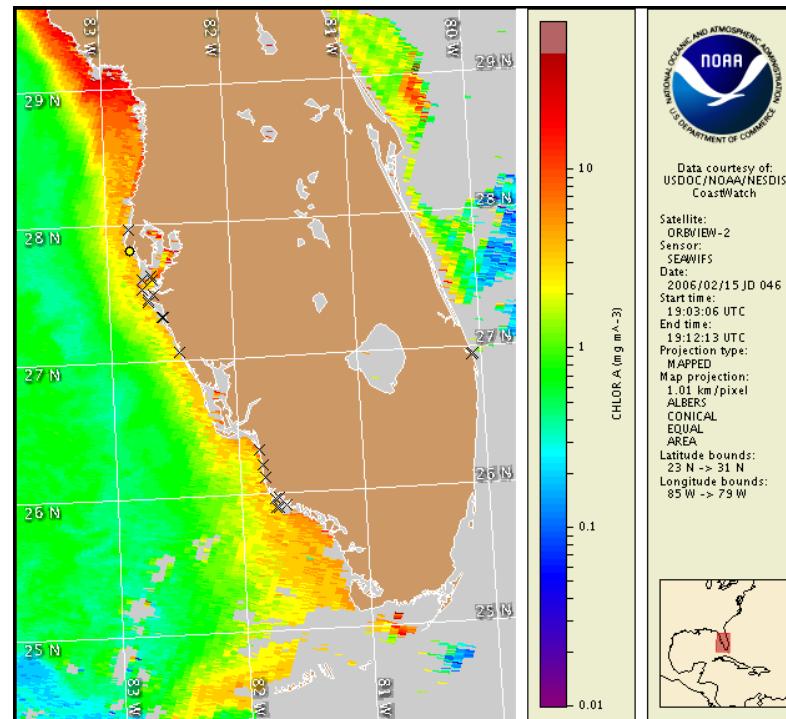
SW Florida: Satellite imagery from February 15 indicates that chlorophyll levels are continuing to decrease along Pinellas County and SW Florida. Sampling results reported no *K. brevis* this week in any SW Florida County. However, imagery still shows a high chlorophyll band offshore of Pasco through Citrus Counties. Sampling is recommended. Variable winds throughout the weekend may cause slight north-westward transport of the bloom.

Keys: Very low concentrations of *K. brevis* were reported in Monroe County approximately 39 miles northwest of Key West (2/15; FWRI). Satellite imagery continues to indicate that concentrations are decreasing. Easterly and northeasterly winds throughout the weekend may cause slight westerly transport and further dissipation of the bloom.

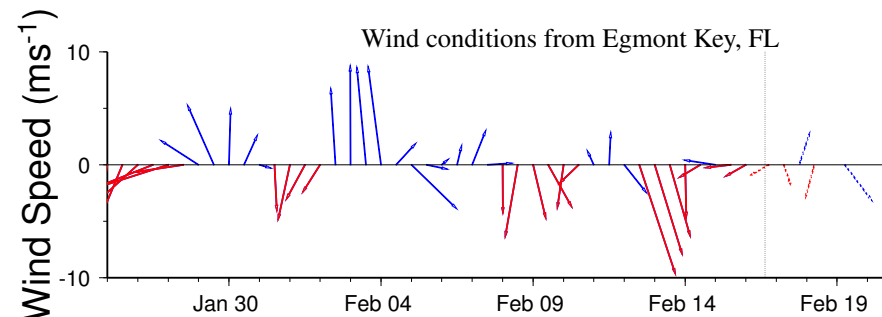
~Keller, Fenstermacher

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



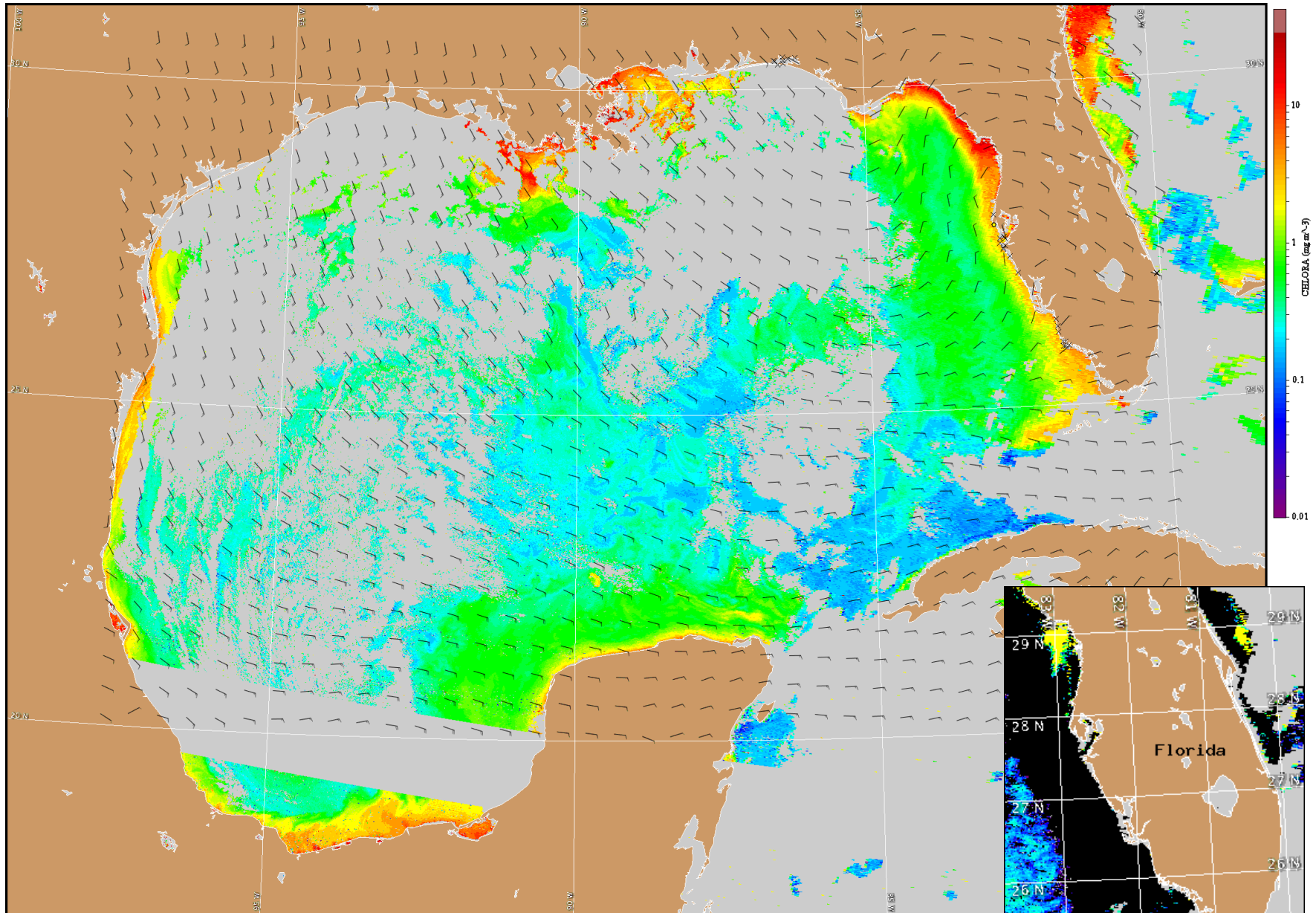
Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from February 6-9 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



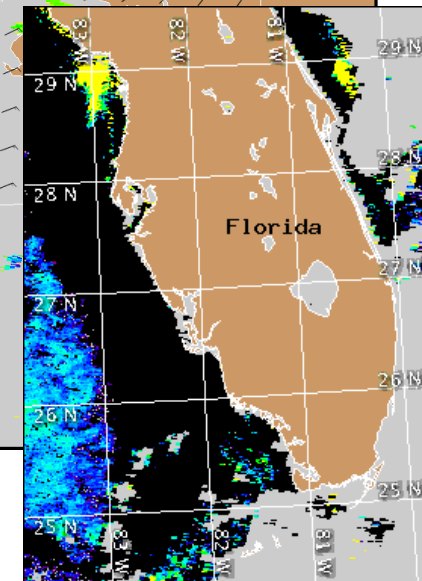
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: East winds today (5-10 kts; 3-5 m/s). Northeast winds on Friday (5-10 kts; 3-5 m/s). East winds on Saturday becoming southwest in the afternoon (5-10 kts; 3-5 m/s). West winds on Saturday night and Sunday (5 kts; 3 m/s).

Keys: Northeast to east winds today and Saturday (10-15 kts; 5-8 m/s). East winds on Sunday (10 kts; 5 m/s).

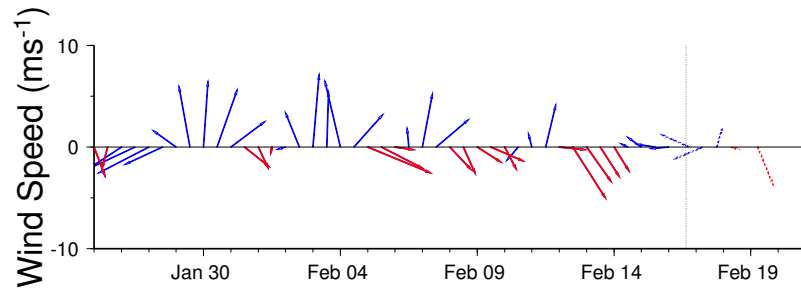


Satellite chlorophyll image and forecast winds for February 17, 2006 06Z with cell concentration sampling data from February 6-9 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Cedar Key, FL



Wind conditions from Vaca Key, FL

